Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	22October 2022
Team ID	PNT2022TMID49696
Project Name	Real-time River Water Quality Monitoring and Control System
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering email, password, and confirming my password.	2	High	Abirami, sheebha, sneka, sudha
Sprint-2		USN-2	As a user, I will receive a confirmationemail once I have registered for the application	1	High	Abirami, sheebha, sneka, sudha
Sprint-1		USN-3	As a user, I can register for the applicationthrough google	2	Low	Abirami, sheebha, sneka, sudha
Sprint-2		USN-4	As a user, I can register for the applicationthrough Gmail	2	Medium	Abirami, sheebha, sneka, sudha
Sprint-1	Login	USN-5	As a user, I can log into the application byentering email, password & captcha	1	High	Abirami, sheebha, sneka, sudha
Sprint-1	Interface	USN-6	As a user, the interface should be user-friendlymanner	2	Medium	Abirami, sheebha, sneka, sudha
Sprint-1	dashboard	USN-7	As a user, I can access the specific info(phvalue, temp, humidity, quality).	2	High	Abirami, sheebha, sneka, sudha

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	View manner	USN-8	As a user, I can view data in visualrepresentation manner(graph)	1	High	Abirami, sheebha, sneka, sudha
Sprint-3	Taste	USN-9	As a user , I can able to view the quality(salty) ofthe water	1	High	Abirami, sheebha, sneka, sudha
Sprint-3	Colour visiblity	USN-10	As a user , I can able predict the water colour	2	High	Abirami, sheebha, sneka, sudha
Sprint-4	Risk tolerant	USN-11	An administrator who Is handling the system should update and take care of the application.	2	Medium	Abirami, sheebha, sneka, sudha

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart: